

## II. AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions/listings of claims.

1. (Currently Amended) A computer-implemented method for indicating availability of a network resource in a client-server environment, the method comprising:

providing at least one computing device for performing the following:

querying the network resource, using a query component, to determine network resource availability and response time, and setting a status indicator with respect to the network resource availability, using a status component;

in the case that the status indicator indicates that the network resource is available, determining whether a query of the network resource to determine network resource availability and response time is occurring;

in the case that a query is occurring, setting the status indicator to indicate the network resource is available only if a time of the query is less than a specified response time, wherein the specified response time is calculated based on a range of response times determined by an average query completion time and a standard deviation of an average query completion time, a portion of the standard deviation of the average query completion time indicating an unacceptably long query time, the average query completion time determined using the response time only in the case that the network resource is available; and

dynamically updating the average query completion time and the specified response time, using the query component, by repeatedly querying the network resource.

2. (Original) The method of claim 1, wherein, in the case that the status indicator indicates the

network resource is available and a query is not occurring, indicating that the network resource is available.

3. (Previously Presented) The method of claim 1, wherein the querying includes repeating querying the network resource in the case that the network resource is unavailable.

4. (Previously Presented) The method of claim 1, wherein the querying includes setting a querying indicator that indicates whether querying is occurring, and the determining includes checking the querying indicator.

5. (Cancelled).

6. (Previously Presented) The method of claim 1, wherein the specified response time is equal to a value within a threshold of the average query completion time.

7. (Currently Amended) The method of claim 1, further comprising setting the status indicator to unavailable, using the status component, in the case that a client accesses the network resource and the network resource is unavailable.

8. (Currently Amended) A computer system for indicating availability of a network resource in a client-server environment, the system comprising:

a computer device including:

a query computer component that determines network resource availability and

response time, wherein the query component sets a status indicator with respect to the network resource availability; and

a status computer component that communicates the network resource availability as available only if, after the status indicator indicates that the network resource is available, a determination is made that a query of the network resource to determine network resource availability and response time is occurring and, in the case that a query is occurring, the time of the query is less than a specified response time, wherein the specified response time is calculated based on a range of response times determined by an average query completion time and a standard deviation of an average query completion time, a portion of the standard deviation of the average query completion time indicating an unacceptably long query time, the average query completion time determined using the response time only in the case that the network resource is available; and wherein the status computer component dynamically updates the average query completion time and the specified response time by repeatedly querying the network resource.

9. (Cancelled).

10. (Previously Presented) The system of claim 8, wherein the status component indicates, in the case that the status indicator indicates the network resource is available and a query is not occurring, that the network resource is available.

11. (Original) The system of claim 8, wherein the query component repeats querying the network resource in the case that the network resource is unavailable.

12. (Original) The system of claim 8, wherein the query component sets a querying indicator that indicates whether querying is occurring.

13. (Cancelled).

14. (Previously Presented) The system of claim 8, wherein the specified response time is defined as a value within a threshold of the average query completion time.

15. (Previously Presented) The system of claim 8, wherein the status component sets a status indicator to unavailable in the case that a client accesses the network resource and the network resource is unavailable.

16. (Currently Amended) A computer program product comprising a tangible computer useable medium having computer readable program code embodied therein for indicating availability of a network resource in a client-server environment, the program product comprising:

program code configured to query the network resource to determine network resource availability and response time, and set a status indicator with respect to the network resource availability; and

program code configured to indicate a status of the network resource by:

determining, in the case that the status indicator indicates that the network resource is available, whether a query of the network resource to determine network resource availability and response time is occurring;

setting the status indicator to indicate, in the case that a query is occurring, the network resource is available only if a time of the query is less than a specified response time, wherein the specified response time is calculated based on a range of response times determined by an average query completion time and a standard deviation of an average query completion time, a portion of the standard deviation of the average query completion time indicating an unacceptably long query time, the average query completion time determined using the response time only in the case that the network resource is available; and

dynamically updating the average query completion time and the specified response time by repeatedly querying the network resource.

17. (Original) The program product of claim 16, wherein the status program code also indicates, in the case that the status indicator indicates the network resource is available and a query is not occurring, that the network resource is available.

18. (Original) The program product of claim 16, wherein the querying program code includes program code configured to repeat querying the network resource in the case that the network resource is unavailable.

19. (Original) The program product of claim 16, wherein the query program code includes program code configured to set a querying indicator indicating whether querying is occurring, and wherein the status program code checks the querying indicator to determine whether querying is occurring.

20. (Cancelled).

21. (Previously Presented) The program product of claim 16, wherein the specified response time is defined as a value within a threshold of the average query completion time.

22. (Original) The program product of claim 16, wherein the status program code is further configured to set the status indicator to unavailable in the case that a client accesses the network resource and the network resource is unavailable.

23. (Currently Amended) A computer-implemented method for indicating availability of a network resource in a client-server environment, the method comprising:

providing at least one computing device for performing the following:

querying the network resource, using a query component, to determine network resource availability and response time, ~~wherein the querying includes~~ and setting a status indicator with respect to the network resource availability, using a status component;

indicating the network resource is available only if, after the status indicator indicates that the network resource is available, a determination is made that a query of the network resource to determine network resource availability and response time is occurring and, in the case that a query is occurring, the time of the query is less than a specified response time, wherein the specified response time is calculated based on a range of response times determined by an average query completion time and a standard deviation of an average query completion time, a portion of the standard deviation of the average query completion time indicating an unacceptably long query time, the average query completion time determined using the response

time only in the case that the network resource is available; and

dynamically updating the average query completion time and the specified response time, using the query component, by repeatedly querying the network resource.

24. (Cancelled).

25. (Previously Presented) The method of claim 23, further comprising, in the case that the status indicator indicates the network resource is available and a query is not occurring, indicating that the network resource is available.

26. (Previously Presented) The method of claim 23, wherein the querying includes repeating querying the network resource in the case that the network resource is unavailable.

27. (Previously Presented) The method of claim 23, wherein the querying includes providing a querying indicator that indicates whether querying is occurring, and the determining step includes checking the querying indicator.

28. (Cancelled).

29. (Previously Presented) The method of claim 23, wherein the specified response time is defined as a value within a threshold of the average query completion time.

30. (Currently Amended) The method of claim 23, further comprising setting the status indicator

to unavailable, using the status component, in the case that a client accesses the network resource and the network resource is unavailable.

31. (Currently Amended) A system for deploying a network resource availability indication application, comprising:

- a computer infrastructure having a computer device and being operable to:

  - receive a query from a client regarding the availability of the network resource;

  - query the network resource to determine network resource availability and response time;

  - set a status indicator with respect to the network resource availability;

  - determine whether a query of the network resource to determine network resource availability and response time is occurring in the case that the status indicator indicates that the network resource is available;

  - provide an indication to the client that the network resource is available only if a time of the query is less than a specified response time in the case that a query is occurring, wherein the specified response time is calculated based on a range of response times determined by an average query completion time and a standard deviation of an average query completion time, a portion of the standard deviation of the average query completion time indicating an unacceptably long query time, the average query completion time determined using the response time only in the case that the network resource is available; and

  - dynamically update the average query completion time and the specified response time by repeatedly querying the network resource.